

Converting Colors

XYZ(18.0258, 16.0525, 63.7764)

Have a look what the booklet for
XYZ(18.0258, 16.0525, 63.7764)
contains.

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Color

**XYZ(18.0258, 16.0525,
63.7764)**

Conversions

Conversions Part 1

Format	Color
Hex	266DD3
RGB	38, 109, 211
RGB Percent	15%, 43%, 83%
CMY	0.8509, 0.5725, 0.1725
CMYK	0.82, 0.48, 0.00, 0.17
HSL	215°, 69%, 49%
HSV	215°, 82%, 83%
XYZ	18.0258, 16.0525, 63.7764
YIQ	99.3990, -75.0580, 16.6700

Conversions

Conversions Part 2

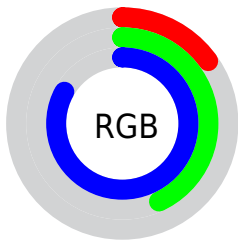
Format	Color
RYB	38, 88, 211
Decimal	2518483
CIELab	47.04, 15.53, -58.64
CIELCh	47, 60.665, 284.833
Yxy	16.0525, 0.1842, 0.1640
Android (android.graphics.Color)	4280708563 (0xFF266DD3)
YUV	99.3990, 55.0193, -53.8469
Hunter-Lab	40.0656, 10.1937, -66.3320

Details

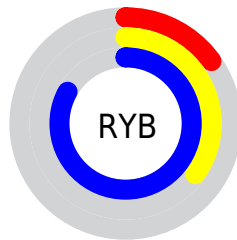
The XYZ color **18.0258, 16.0525, 63.7764** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **36.5945, 32.7496, 6.2276**, and the grayscale version is **11.8407, 12.4573, 13.5660**.

A 20% lighter version of the original color is **37.3029, 35.8064, 99.5530**, and **7.7783, 5.9553, 32.1920** is the 20% darker color. If you saturate the color by 10%, you get **16.2217, 13.2897, 63.3386**, and if you desaturate by 10%, it is **20.4596, 19.4190, 64.2983**.

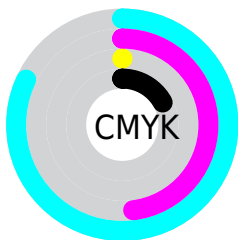
Distribution



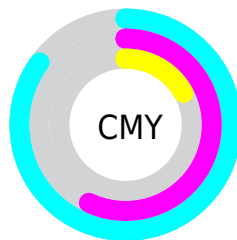
- Red (15%)
- Green (43%)
- Blue (83%)



- Red (15%)
- Yellow (35%)
- Blue (83%)



- Cyan (82%)
- Magenta (48%)
- Yellow (0%)
- Black (17%)



- Cyan (85%)
- Magenta (57%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0258, 16.0525, 63.7764 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 18.0258, 16.0525, 63.7764 by changing the saturation by 10% instead.

■ 18.0258, 16.0525,
63.7764

■ 18.0258, 16.0525,
63.7764

234.0592,
229.6513, 456.5670

■ 11.0683, 9.5613,
46.0246

■ 39.6110, 36.6893,
111.8852

■ 6.1804, 5.1091,
31.9164

■ 54.9695, 51.6037,
143.0793

■ 2.9968, 2.3114,
21.0334

■ 73.8589, 70.0947,
179.5912

■ 1.1521, 0.7797,
12.9569

■ 96.6448, 92.5466,
221.8395

■ 0.0680, 0.0000,
7.2685

■ 123.6924,
119.3438, 270.2426

■ 0.0000, 0.0000,
3.5496

155.3671,

■ 0.0000, 0.0000,

150.8707, 325.2193

1.3817

192.0342,
187.5118, 387.1879

■ 0.0000, 0.0000,
0.1274

■ 0.0000, 0.0000,
0.0000

■ 18.0258, 16.0525,
63.7764

■ 18.0258, 16.0525,
63.7764

■ 16.2217, 13.2897,
63.3386

■ 20.4596, 19.4190,
64.2983

■ 15.1327, 11.4526,
63.0414

■ 23.5935, 23.4361,
64.9085

■ 27.4893, 28.1463,
65.6124

■ 32.2010, 33.5873,
66.4142

■ 37.7774, 39.7935,
67.3182

■ 44.2630, 46.7970,
68.3282

■ 51.6992, 54.6278,
69.4478

■ 60.1246, 63.3141,
70.6804

■ 69.5758, 72.8828,
72.0292

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



12.7370, 16.0525, 63.6719



18.0258, 16.0525, 63.7764



23.6555, 16.0525, 47.5303

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



18.0258, 16.0525, 63.7764



23.7119, 16.0525, 3.8994



7.3673, 16.0525, 10.8854

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



18.0258, 16.0525, 63.7764



36.5945, 32.7496, 6.2276

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



9.1274, 16.0525, 3.8552



18.0258, 16.0525, 63.7764



18.0901, 16.0525, 1.7160

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



18.0258, 16.0525, 63.7764



27.4206, 16.0525, 11.0059



12.7881, 16.0525, 1.7066



7.3578, 16.0525, 26.0920

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



18.0258, 16.0525, 63.7764



26.5006, 16.0525, 33.1111



12.7881, 16.0525, 1.7066



7.7517, 16.0525, 7.7534

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



18.0265, 16.0529, 63.7768



64.5175, 68.1662, 104.3647



28.7489, 48.8630, 32.3130



13.0534, 13.7738, 22.2206



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.0265, 16.0529, 63.7768



23.4393, 17.9039, 96.8281



13.8900, 6.8319, 62.2150



11.5564, 12.2030, 14.9900



9.2279, 7.1023, 38.0770



0.5932, 0.5517, 2.1548

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



30.3181, 16.3403, 16.0242



43.9834, 22.4459, 16.1036



46.5620, 58.5433, 10.6809



12.0070, 11.8875, 13.3126



17.2885, 8.7882, 6.4255



1.0057, 0.5070, 0.5647

Previews

White Background



This preview shows how the XYZ color 18.0258, 16.0525, 63.7764 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 18.0258, 16.0525, 63.7764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.0258, 16.0525, 63.7764

Background



This preview shows how black text looks on a background with the XYZ color 18.0258, 16.0525, 63.7764.



This preview shows how white text looks on a background with the XYZ color 18.0258, 16.0525,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

18.0258, 16.0525, 63.7764

Protanopia

18.3419, 15.9311, 62.4299

Deuteranopia

16.0982, 15.8875, 55.6442



Tritanopia

11.2478, 15.8319, 24.2928

Trichromacy



Original Color

18.0258, 16.0525, 63.7764

Protanomaly

18.2620, 16.0312, 63.1046

Deuteranomaly

16.7548, 15.9935, 58.7039

Tritanomaly

13.0926, 15.6234, 36.0438

Monochromacy



Original Color

18.0258, 16.0525, 63.7764

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.6444, 13.1717, 26.6869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0258, 16.0525, 63.7764 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(38, 109, 211)` looks like.

```
.text, #text, p{  
    color:rgb(38, 109, 211)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(38, 109, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 109, 211) }
```

Border

The CSS property to change the border of an element to XYZ 18.0258, 16.0525, 63.7764 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(38, 109, 211) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(38, 109, 211) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(38, 109, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 109, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 109, 211);  
box-shadow:4px 4px 4px 4px rgb(38, 109,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0258, 16.0525, 63.7764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 109, 211) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(38, 109,  
211) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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